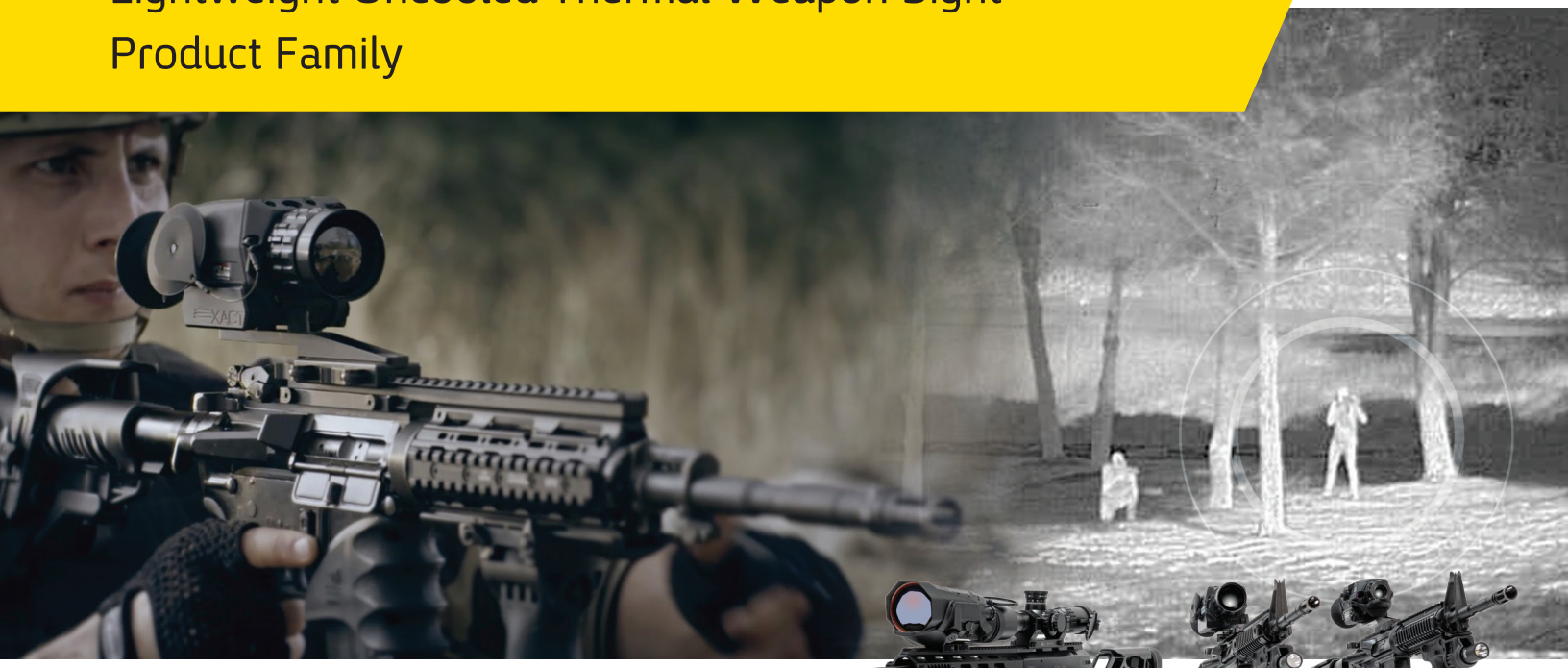
XACT *th*

Lightweight Uncooled Thermal Weapon Sight Product Family



The lightweight XACT *th* family of high-performance uncooled thermal weapon sights features excellent thermal sensitivity for target recognition in total darkness or in obscured daylight conditions.

The sight is a fully automatic NUC-less and shutter-less solution, which enables continuous operation without the need to calibrate the image while moving between different ambient environments.

Hand-held or weapon-mounted, the XACT *th* is sealed in a metal housing and water submersible up to 15 meters, which makes it especially suitable for special operations.

The advanced sight is also available as a clip-on solution, which allows the user to seamlessly move from day to night operation without the need for boresight realignment.

Elbit Systems™ ISTAR & EW

XACT *th*

Lightweight Uncooled Thermal Weapon Sight Product Family

Features

- NUC-less and shutter-less uncooled thermal engine
- Lightweight and compact
- High performance detection and recognition
- Water-submersible to 20 meters
- Robust metal housing
- Spectral Band- 7-14µ
- Sensor Array 640X480
- Pixel Size 17 µm
- Low battery indication
- MIL-STD-810F

Benefits

- Suitable for multi-mission scenarios
- Extended usage time with commercial and rechargeable batteries
- Clip-on solution for existing day scopes
- High reliability and simple maintainability

Technical Specifications

Model	XACT*th*64	XACT*th*65	XACT*th*70
Description	Marksman lightweight, TWS	Marksman, lightweight, clip-on TWS	Sniper lightweight clip-on TWS
Optical characteristics			
FOV	12° x 9°	10° x 7°	6.1° X 4.6°
Physical Dimensions			
Weight (w/o batt. and weapon adapter)	610gr.	450gr.	1.1kg
System length	159mm	150mm	203mm
System width	86mm	80mm	97 mm
System height	76mm	60mm	96 mm
Batteries run time	>9h	>4.5h	>9h
Target Ranges			
Human Detection	1300m	1500m	2000m
Human Recognition	600m	650m	1200m
NATO armored Vehicle Detection	2400m	2800m	3400m
Vehicle Recognition	1400m	1700m	2100m

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